

**TECHNOLOGY RESOURCES & TRAINING CENTER**

*Curriculum & Instruction will be responsible for training curriculum for teachers offered through the Technology Resources & Training Center, and the training will be an integral part of C&I's comprehensive staff development and curriculum plans. Business Services and other administrative divisions will work with the Center to identify their technology training needs. The Center will be the vehicle for coordinating and delivering training to teachers and administrative staff.*

*The Resource Center will provide: technology training for teachers and staff, a technology information and software library, clearinghouse of exemplary technology applications and plans; preview stations for software; multi-media stations, technology loan programs; and demonstrations of state of the art technologies. The Center will house computer labs which support the standard computer platform and will work with schools and other agencies in Oakland to expand teacher access to technology and training.*

*[The section discusses services only. Refer to Strand #10 "Coordination and Management" for start up and management of the Technology Service Center.]*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Develop a 2 year implementation plan &amp; budget for Technology Center, ensuring curriculum support through full utilization of the Center.</li> </ul>	
	<ul style="list-style-type: none"> <li>Consolidate computer training labs under the Technology Center.</li> </ul>	<ul style="list-style-type: none"> <li>Expand labs to include state of the art technologies &amp; software developments.</li> </ul>
	<ul style="list-style-type: none"> <li>Establish software &amp; video tape preview stations which have Internet access.</li> </ul>	<ul style="list-style-type: none"> <li>Develop a preview program to demonstrate &amp; test new products &amp; services.</li> </ul>
	<ul style="list-style-type: none"> <li>Coordinate distribution of district-licensed software.</li> </ul>	<ul style="list-style-type: none"> <li>Expand distribution.</li> </ul>
	<ul style="list-style-type: none"> <li>Establish a software &amp; video tape library which includes technology training videos.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>
<ul style="list-style-type: none"> <li>Sponsor at least one annual Technology Fair for teachers, administrators, students &amp; community.</li> </ul>	<ul style="list-style-type: none"> <li>Continue</li> </ul>	<ul style="list-style-type: none"> <li>Continue</li> </ul>
	<ul style="list-style-type: none"> <li>Establish a technology database on current District projects, exemplary practices &amp; site plans.</li> </ul>	<ul style="list-style-type: none"> <li>Maintain</li> </ul>
	<ul style="list-style-type: none"> <li>Plan &amp; implement teacher incentive programs.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>

## IMPLEMENTATION STRATEGIES

## STRAND #2 STAFF DEVELOPMENT

### OTHER SUPPORT SERVICES

*Teachers and administrators will have ready access to trouble-shooting and information on effective applications, model programs, and trends. The District will encourage the formation of technology user groups.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Establish standards for programs to be supported at a District level.</li> </ul>	
	<ul style="list-style-type: none"> <li>Expand the Help Desk to provide trouble shooting &amp; support to teachers for instructional technology.</li> </ul>	<ul style="list-style-type: none"> <li>Develop a video technology help service using KDOL.</li> </ul>
	<ul style="list-style-type: none"> <li>Pilot professional development information services &amp; support on ACORN.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>
<ul style="list-style-type: none"> <li>Develop a "Professional Development Opportunities" bulletin board &amp; a call-in help line on KDOL-TV.</li> </ul>		
	<ul style="list-style-type: none"> <li>Maintain a comprehensive professional development clearinghouse to be available in print &amp; electronically.</li> </ul>	<ul style="list-style-type: none"> <li>Develop an annual calendar of satellite delivered teleconferences &amp; trainings.</li> </ul>
<ul style="list-style-type: none"> <li>Develop &amp; disseminate a Technology User's Manual in print &amp; electronically.</li> </ul>	<ul style="list-style-type: none"> <li>Revise &amp; expand.</li> </ul>	<ul style="list-style-type: none"> <li>Revise &amp; expand.</li> </ul>
	<ul style="list-style-type: none"> <li>Provide technology training options to coincide with SIP days.</li> </ul>	
	<ul style="list-style-type: none"> <li>Encourage CUE membership &amp; involvement in conferences by teachers.</li> </ul>	

**TECHNOLOGY LITERATE STAFF**

*All teaching staff and administrators will be technology literate. In addition to providing training and support for teachers and administrators, the District will strengthen on-site technology expertise through new hires, mentor programs and other programs.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Select Mentor Teachers whose proposals include a technology component.</li> </ul>	
<ul style="list-style-type: none"> <li>• Give priority to new hires with a background in educational technologies.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that all schools have at least one trained technology specialist to support &amp; train staff.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that all schools have at least one full time trained technology specialist to support &amp; train staff.</li> </ul>
	<ul style="list-style-type: none"> <li>• Include training in technology as part of teacher evaluation.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Train all levels of administrative &amp; support staff to streamline &amp; facilitate school operations.</li> </ul>	

**EVALUATION**

*Site and District level evaluations will be conducted to assess progress in staff development.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Establish &amp; implement a process to evaluate the status of the staff development program.</li> </ul>	

## IMPLEMENTATION STRATEGIES

## STRAND #3 ACCESS TO TECHNOLOGY

*All students & staff will have equitable and ready access to appropriate technology.*

### **STUDENT ACCESS TO COMPUTER TECHNOLOGY:**

*Every student will have ready access to a computer capable of electronic communications and to appropriate adopted software. These computers will be networked, and all students will have ready access to the Internet and other electronic information services.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Ensure that each school has the equivalent of at least two computers per classroom for student use which have presentation capabilities (TV/computer link &amp;/or LCD projection) plus min. of 30 networked computers in a lab.</li> <li>• Ensure that computers for bilingual &amp; younger students have multi-media capabilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide the equivalent of at least one computer for every five students in each classroom in the District.</li> <li>• All computers will meet basic District standards.</li> </ul>
• Develop a specific plan & schedule to implement the computer goals.		
	<ul style="list-style-type: none"> <li>• Establish standards for hardware &amp; software for instructional use including software to support language acquisition.</li> <li>• Establish incentives for school compliance with standards.</li> </ul>	
• Acquire District/site licenses for commonly used instructional & administrative software.	Acquire District/site licenses for all software meeting District standards.	• Expand
• Identify & evaluate current projects utilizing Internet & other on-line services.	• Make Internet available to all secondary students in the District. Pilot Internet access for students from home.	• Make Internet available to all students in the District & to interested parents. Expand Internet access from home.
	• Pilot at least one multi-lingual/special needs on-line service.	• Expand multilingual/special needs electronic information systems.
• Pilot before & after school student use of computer labs.	• Evaluate existing school site & District programs designed to increase access to technology.	
	• Expand the most cost effective programs which give students greater access to technology & Internet.	
	• Pilot programs which use older students & graduates to train students & teachers.	

## IMPLEMENTATION STRATEGIES

## STRAND #3 ACCESS TO TECHNOLOGY

### STAFF ACCESS TO TECHNOLOGY

*All teachers will have a computer workstation with a network connection and software capable of supporting instructional, classroom management, assessment, personal productivity, Internet and other electronic information retrieval activities. The District will provide teachers access to current technologies and software at a centrally located Technology Resource Center. The District will set up a site-based technology loan program and arrange for purchasing discounts to enable teachers and staff to acquire computers for use at home.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Renovate &amp; expand the Learning Resource Center to include the Technology Resources &amp; Training Center.</li> <li>• Add a teacher software review room with at least 5 computers in each of the standard platforms with on-line access.</li> </ul>	<ul style="list-style-type: none"> <li>• Expand the teacher computer room to include state of the art computers &amp; accessories.</li> </ul>
	<ul style="list-style-type: none"> <li>• Put the Mac &amp; PC Labs under the jurisdiction of the Resource Center.</li> </ul>	<ul style="list-style-type: none"> <li>• Expand &amp; upgrade the labs to include state of the art equipment.</li> </ul>
<ul style="list-style-type: none"> <li>• Establish &amp; implement a procedure for teachers to download licensed software.</li> </ul>	<ul style="list-style-type: none"> <li>• Establish &amp; implement a procedure for the Center to distribute licensed software to sites.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Set up a software library in the Resource Center: licensed, shareware, public domain, &amp; other most frequently used software.</li> <li>• (See also "Administrative Technology").</li> </ul>	<ul style="list-style-type: none"> <li>• Expand the software library to include all software recommended in each curriculum area plus standard productivity tools.</li> <li>• Upgrade &amp; maintain.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that each school has the equivalent of one computer per teacher for teacher use.</li> </ul>	<ul style="list-style-type: none"> <li>• Install a dedicated teacher workstation with a network connection in each classroom.</li> </ul>
<ul style="list-style-type: none"> <li>• Offer Internet accounts to all interested staff.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide an Internet account for all staff.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Establish a Computer Loan &amp; a Discount Purchase Plan for teachers for home use.</li> </ul>	<ul style="list-style-type: none"> <li>• Expand the Loan Program &amp; Discount Purchase Plan.</li> </ul>
	<ul style="list-style-type: none"> <li>• Upgrade security in portables to permit installation of computers.</li> </ul>	

**BASIC TECHNOLOGY  
PACKAGES:**

*All schools will have the same core basic technology package for teacher and student use upon which individual schools may build. The basic technology package will include access to the tools of communication, including telephone, fax, cable television and network capability, and a full range of technology, including duplication and collating equipment, overhead projectors, VCRs and presentation monitors, and class sets of calculators. Standards will be set for the basic technology packages.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Define &amp; set standards for the core basic &amp; enhanced technology packages.</li> </ul>	
	<ul style="list-style-type: none"> <li>Establish &amp; implement a process to review &amp; revise the standards quarterly.</li> </ul>	
	<ul style="list-style-type: none"> <li>Establish a process for upgrading &amp; re-deploying technology.</li> </ul>	
<ul style="list-style-type: none"> <li>All available technology funds will be directed towards the core technology package before purchasing supplementary equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that all elementary schools and 50% of secondary schools have the basic core technology package.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that all schools have the basic technology package.</li> </ul>
	<ul style="list-style-type: none"> <li>Ensure that all students in bilingual, early childhood &amp; foreign language programs have ready access to tape recorders, headsets, a VCR &amp; monitor &amp; appropriate software.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that all students have ready access to tape recorders, headsets, a VCR &amp; monitor &amp; appropriate software.</li> </ul>
	<ul style="list-style-type: none"> <li>Ensure that there is at least one copier with collator, fax capabilities &amp; scanner per school readily available for teacher use.</li> </ul>	<ul style="list-style-type: none"> <li>Expand as per the basic technology package.</li> </ul>
	<ul style="list-style-type: none"> <li>Through B&amp;G build ramps &amp; upgrade security in portables to permit access to shared school equipment. Upgrade security at ECE sites.</li> </ul>	<ul style="list-style-type: none"> <li>Complete upgrade.</li> </ul>
<ul style="list-style-type: none"> <li>Provide video production equipment for teacher training &amp; use at KDOL-TV.</li> </ul>		<ul style="list-style-type: none"> <li>Have at least two camcorders per school for teacher check out.</li> </ul>
	<ul style="list-style-type: none"> <li>Add telephones to rooms as wiring upgrades completed.</li> </ul>	<ul style="list-style-type: none"> <li>Install telephones in all classrooms.</li> </ul>
	<ul style="list-style-type: none"> <li>Develop a plan to develop CD-ROM multi-media production capability.</li> </ul>	<ul style="list-style-type: none"> <li>Implement</li> </ul>

## IMPLEMENTATION STRATEGIES

## STRAND #4 LIBRARY/MEDIA CENTERS

*Each school will have a fully equipped library &/or media center serving as the technology hub of the school.*

### **BASIC TECHNOLOGY PACKAGE FOR LIBRARIES/ MEDIA CENTERS:**

*Each school will have at least one media center equipped with video and multimedia equipment, software library, network connection and phone lines, and access to electronic information services. The library will be equipped with video and multimedia equipment, a network connection and access to electronic information services. Where feasible the library will serve as the media center.*

Currently Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Develop standards &amp; configurations for elementary &amp; secondary libraries/media centers.</li> </ul>	
<ul style="list-style-type: none"> <li>• Install one work station with a network connection, a CD ROM drive &amp; printer in each middle/jr. &amp; high school library.</li> </ul>	<ul style="list-style-type: none"> <li>• Install one work station with a network connection, sound system, a CD ROM drive &amp; printer in each elementary school library &amp; at least two in each secondary school library.</li> </ul>	<ul style="list-style-type: none"> <li>• Install at least two work stations in all elementary &amp; three in all secondary.</li> </ul>
	<ul style="list-style-type: none"> <li>• Install a fax in all secondary school libraries.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that all libraries have a phone, fax &amp; network connection.</li> </ul>
<ul style="list-style-type: none"> <li>• Provide access to Internet &amp; other on-line information services in secondary school libraries &amp; connect them to the City library system.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide access to Internet &amp; other on-line services in elementary school libraries.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Ensure that each library/media center is wired for cable TV.</li> </ul>	<ul style="list-style-type: none"> <li>• Wire &amp; equip each library/media center for two-way audio, data &amp; video communications.</li> </ul>
	<ul style="list-style-type: none"> <li>• As building wiring is upgraded install the technology to allow classroom access to library resources &amp; site licensed instructional software.</li> </ul>	<ul style="list-style-type: none"> <li>• Complete for all libraries/media centers.</li> </ul>

# IMPLEMENTATION STRATEGIES

# STRAND #4 LIBRARY/MEDIA CENTERS

## LIBRARY SERVICES

*Libraries will have automated circulation and catalog systems for library materials and textbooks. Library systems will be integrated into the District's administrative network system. Classrooms will have access to the school library and media center through a school wide LAN. The library standards of achievement and sequential curriculum will incorporate information retrieval and other technology tools.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Develop a District plan to automate the libraries' catalogue &amp; circulation systems.</li> <li>• Automate secondary schools' library circulation &amp; catalogue systems.</li> </ul>	<ul style="list-style-type: none"> <li>• Computerize the catalog &amp; circulation systems at all school libraries.</li> </ul>
	<ul style="list-style-type: none"> <li>• Integrate library overdues and text book records into SASI.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Give librarians access to student schedule &amp; transfer Information.</li> </ul>	
<ul style="list-style-type: none"> <li>• Provide model policies &amp; agreements regarding Internet &amp; network use.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Review space requirements for library/media centers, esp. at elementary schools.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Have each school develop a school library technology plan.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Have at least 50% of school libraries on a school wide LAN.</li> </ul>	<ul style="list-style-type: none"> <li>• Have all school libraries on a school wide LANs.</li> </ul>
	<ul style="list-style-type: none"> <li>• Develop a District plan to automate the schools' textbook inventory &amp; circulation systems.</li> </ul>	<ul style="list-style-type: none"> <li>• Computerize the inventory &amp; circulation systems for textbooks at all schools.</li> </ul>
<ul style="list-style-type: none"> <li>• Automate District Library resources</li> </ul>	<ul style="list-style-type: none"> <li>• Make District Library resources available on-line.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Incorporate technology tools &amp; skills into the current standards of achievement &amp; sequential curriculum.</li> </ul>	<ul style="list-style-type: none"> <li>• Implement the new curriculum.</li> <li>• Evaluate student performance in new curriculum.</li> </ul>
	<ul style="list-style-type: none"> <li>• Review software to support the new curriculum.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Begin to expand all media in libraries/media centers to include video &amp; audiotapes, CD-ROM, software, etc..</li> </ul>	<ul style="list-style-type: none"> <li>• Expand</li> </ul>
	<ul style="list-style-type: none"> <li>• Investigate means of global access to resources from multiple sites.</li> </ul>	



# IMPLEMENTATION STRATEGIES

# STRAND #4 LIBRARY/MEDIA CENTERS

## STAFFING:

*A librarian trained in technology, a telementor and/or a trained instructional assistant will staff each library/media center. Students receiving special technology training will be placed in library/media centers.*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>• Expand Internet training for librarians &amp; library assistants.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Review &amp; revise library goals to incorporate technology.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Develop a comprehensive technology training program for librarians &amp; library assistants.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that all librarians &amp; library assistants are trained in technology.</li> </ul>
	<ul style="list-style-type: none"> <li>• Design &amp; begin to implement a training for student technology aides.</li> </ul>	<ul style="list-style-type: none"> <li>• Place at least one student technology aide in each library/media center.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that all secondary libraries are staffed by a technology-trained librarian &amp; library assistant.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that all library/media centers are staffed by a technology-trained librarian plus a library assistant in larger schools.</li> </ul>
	<ul style="list-style-type: none"> <li>• Extend the hours of the secondary media centers/libraries for student access to technology.</li> </ul>	<ul style="list-style-type: none"> <li>• Extend the hours of all media centers/libraries for student access to technology.</li> </ul>

## IMPLEMENTATION STRATEGIES

## STRAND #5 SCHOOL TO WORK

*Technology will be an essential element in the District's comprehensive K-Adult Career Preparation System. Technology will be used to prepare students for a wide variety of careers and to strengthen all phases of the school to work transition. Students will master and apply the technological tools which will be an integral part of the workplace of tomorrow.*

### CAREER PREPARATION SYSTEM - IMPLEMENTATION

*The District will ensure that technology is appropriately integrated into all phases of the Career Preparation System and that all staff and school teams implementing the program will be technology literate. Parents will be introduced to the technology based components of the career preparation program.*

Current Activities	Phase I	Phase II
• Identify Career/College TSAs for program.	• Develop School Teams & identify technology training needs.	• Implement & evaluate.
	• Identify technology training needs of TSAs.	• Implement & evaluate rest of technology training for TSAs.
	• Integrate all student records, including transfers, class changes & attendance into SASI.	
	• Train TSAs on SASI & Eureka systems.	
	• Train TSAs on Internet.	
	• Develop school level teams at each grade level to integrate technology into Career Preparation System.	• Implement & evaluate.

### CAREER PREPARATION SYSTEM - INITIATIVES

*Technology will be used throughout the system as a tool for career awareness, exploration and preparation. All students will become knowledgeable about the role of technology in their daily lives and will master those technology skills which are basic to success in school and in the changing workplace. Students will be afforded opportunities to prepare for and gain work experience in telecommunications and other technologies required in all careers and to use technology tools to solve real life problems.*

# IMPLEMENTATION STRATEGIES

# STRAND #5 SCHOOL TO WORK

## CAREER PREPARATION SYSTEM - INITIATIVES (Continued)

### Career Awareness: Grades Pre-K - Grade Six

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Evaluate Project 4000 for 6th grade students.</li> </ul>	<ul style="list-style-type: none"> <li>Implement as indicated the Project 4000 for 6th grade students.</li> </ul>	<ul style="list-style-type: none"> <li>Expand to all 6th grade students.</li> </ul>
<ul style="list-style-type: none"> <li>Involve technology related industries in career awareness activities.</li> </ul>		
	<ul style="list-style-type: none"> <li>Reinforce basic computer &amp; technology skills as part of career awareness activities.</li> </ul>	

### Career Exploration: Middle/Jr. High Schools

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Evaluate the Tech Lab 2000 &amp; other career exploration programs.</li> </ul>	<ul style="list-style-type: none"> <li>As appropriate implement the Tech Lab 2000 in six additional middle/jr. high schools.</li> </ul>	<ul style="list-style-type: none"> <li>As appropriate expand Tech Lab 2000 &amp; career exploration programs to all 8th grade students.</li> </ul>
<ul style="list-style-type: none"> <li>Pilot the Student Career Interest Inventory Assessment (VIESA) in 6 middle/jr. high schools.</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate</li> <li>Expand VIESA or comparable assessments to all 8th grade students.</li> </ul>	
<ul style="list-style-type: none"> <li>Pilot &amp; evaluate the Student Career Planning Guide in 6 middle/jr. high schools.</li> </ul>	<ul style="list-style-type: none"> <li>Expand as indicated.</li> </ul>	
<ul style="list-style-type: none"> <li>Implement the Career Awareness Pre-Post Unit &amp; Career Awareness Day which focuses on technology for all 8th grade.</li> </ul>		
<ul style="list-style-type: none"> <li>Pilot Careers Exploration Technology Core for 9th grade level at three schools.</li> <li>Evaluate &amp; modify program.</li> </ul>	<ul style="list-style-type: none"> <li>Expand to 6 schools or 50% of all 9th graders.</li> </ul>	<ul style="list-style-type: none"> <li>Expand to include all 9th grade students.</li> </ul>
<ul style="list-style-type: none"> <li>Provide an Internet account to each counselor.</li> </ul>	<ul style="list-style-type: none"> <li>Provide access to a variety of electronic career &amp; college placement services for counselors.</li> </ul>	
	<ul style="list-style-type: none"> <li>Train all counselors in the use of Internet.</li> </ul>	

**CAREER PREPARATION  
SYSTEM - INITIATIVES** (continued)

*Career & Post-Secondary Preparation: High School through Adult Education*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Implement &amp; evaluate the Eureka electronic career information system in all 6 high schools.</li> </ul>	<ul style="list-style-type: none"> <li>Expand to all secondary schools.</li> <li>Link system to PCC, Cal State Hayward and EDD to access career information.</li> </ul>	
	<ul style="list-style-type: none"> <li>Establish a tele-communications &amp; technology academy at each comprehensive high school.</li> </ul>	
	<ul style="list-style-type: none"> <li>Evaluate the use of technology in all 12 Career Paths (i.e., ROP, Tech Prep, 2+2 Articulation &amp; Career Academies).</li> </ul>	<ul style="list-style-type: none"> <li>Disseminate successful technology related units &amp; practices developed in the academies &amp; integrate them across the curriculum.</li> </ul>
<ul style="list-style-type: none"> <li>Establish articulation Laney College's Media Communications Dept. as part of the Eisenhower Video Production Grant.</li> </ul>	<ul style="list-style-type: none"> <li>Establish articulation with Peralta Community Colleges to coordinate &amp; integrate the uses of technology in high school &amp; adult education programs.</li> </ul>	
	<ul style="list-style-type: none"> <li>Plan &amp; initiate a Student Technology Aides Program to train students on use of Internet &amp; basic software applications &amp; place aides at school site computer labs &amp; library/media centers.</li> </ul>	<ul style="list-style-type: none"> <li>Place at least one Student Technology Aide at each school site computer lab, media center/library &amp; other technology based program.</li> </ul>
	<ul style="list-style-type: none"> <li>Pilot a Technology Technician Program to train students in the routine maintenance &amp; repair of computers &amp; other technology.</li> <li>Certify student competencies on transcripts &amp;/or official documents.</li> <li>Place student technicians with the Technology Service Center &amp; selected schools.</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate &amp; expand as appropriate the Technology Technician Program.</li> <li>Have student technicians assigned to each school site &amp; the Technology Service Center.</li> </ul>

***CAREER PREPARATION  
SYSTEM - INITIATIVES (continued)***

*Career & Post-Secondary Preparation: High School through Adult Education*

<ul style="list-style-type: none"> <li>• Participate as an active partner in the Alameda Co Adult Education Learning Network.</li> </ul>		
<ul style="list-style-type: none"> <li>• Evaluate the distance learning needs of adult learners.</li> <li>• Pilot adult education programs using KDOL.</li> </ul>		<ul style="list-style-type: none"> <li>• Evaluate effectiveness of distance learning classes &amp; expand as appropriate.</li> </ul>
<ul style="list-style-type: none"> <li>• Include technology &amp; telecommunications employers in jobs fairs.</li> <li>• Host 1 or more District Technology Fair a year for students &amp; community.</li> </ul>	<ul style="list-style-type: none"> <li>• Involve vendors as appropriate in student training.</li> </ul>	

*Schools will use technology to strengthen their roles as community hubs. The District will build partnerships with parents, educational institutions and resources, community agencies, and the City to promote the best and most cost-effective integration of technology in our schools. Parents will become more involved in their children's education by having ready access to information on their student's progress, class assignments and school programs as well as on the activities of the school and the District. The District will collaborate with parents and members of the community to provide access to technology and technology training.*

**COMMUNITY PARTNERSHIPS**

*The District will seek partnerships with parents, community organizations, educational institutions, the business community, the City and regional agencies to coordinate technology planning and implementation, to expand community education, build the network infrastructure and applications, reduce costs and bring expertise and resources to the schools and the District.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Establish a School-Community-Business Technology Committee involving school representation, major employers, technology companies &amp; funders.</li> </ul>	
	<ul style="list-style-type: none"> <li>Inventory the resources of community &amp; business partners (fiber, cable, satellite) to optimize access to existing infrastructure at no/low cost.</li> </ul>	<ul style="list-style-type: none"> <li>Participate in community-based technology access services.</li> <li>Set up Smart School Initiative for technology.</li> </ul>
<ul style="list-style-type: none"> <li>Participate in an Inter-jurisdictional Technology Work Group to expand resources &amp; to coordinate technology planning, acquisition &amp; infrastructure development among public agencies.</li> </ul>	<ul style="list-style-type: none"> <li>Participate in a community wide network that links community groups &amp; resources educational institutions, City &amp; County government agencies serving Oakland students &amp; families.</li> </ul>	
	<ul style="list-style-type: none"> <li>Explore ways to leverage resources of cable, phone &amp; other telecom providers.</li> </ul>	
	<ul style="list-style-type: none"> <li>Through the Service Center explore the feasibility of recruiting business people to work with District &amp; school sites on training &amp; technology projects.</li> </ul>	

## IMPLEMENTATION STRATEGIES

## STRAND #6 FAMILIES AND COMMUNITY

### COMMUNITY EDUCATION

*Access to technology and technology training will be offered to parents and members of the community by the District and at school sites. The District will expand opportunities for adult education and instructional programs for parents using the resources of the schools and distance education technologies, including KDOL-TV and other electronic media.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Evaluate current programs in the District &amp; in the community designed to make technology available to families.</li> </ul>	<ul style="list-style-type: none"> <li>Expand as indicated by evaluation.</li> </ul>
	<ul style="list-style-type: none"> <li>Develop a plan for multiple points of access through partnerships.</li> </ul>	<ul style="list-style-type: none"> <li>Implement.</li> </ul>
<ul style="list-style-type: none"> <li>Pilot 1 or more telecourses for the general community over KDOL-TV.</li> </ul>	<ul style="list-style-type: none"> <li>Establish content priorities for community education. (ex., GED, literacy, ESL).</li> <li>Develop a series of telecourses &amp; live call-in adult education series using KDOL-TV to meet community needs.</li> </ul>	
<ul style="list-style-type: none"> <li>Initiate &amp; promote programs designed to educate parents about effective learning strategies using KDOL-TV.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>	<ul style="list-style-type: none"> <li>Utilize two way interactive technologies to provide community training at "video classrooms" located in schools &amp; other local institutions.</li> </ul>
	<ul style="list-style-type: none"> <li>Explore cooperative technology training programs with Peralta Community College District the City Library, &amp;/or selected business partners.</li> </ul>	<ul style="list-style-type: none"> <li>Expand opportunities for community technology training through partnerships.</li> </ul>
<ul style="list-style-type: none"> <li>Test the feasibility of opening computer labs at selected school sites for use by students &amp; parents.</li> </ul>	<ul style="list-style-type: none"> <li>Expand as indicated.</li> </ul>	
	<ul style="list-style-type: none"> <li>Identify basic computing needs &amp; pilot basic computer training classes for targeted communities at selected school &amp; District labs, &amp; library sites.</li> </ul>	<ul style="list-style-type: none"> <li>Expand opportunities for community technology training at selected school sites throughout District.</li> </ul>
<ul style="list-style-type: none"> <li>Coordinate with Marcus Foster Institute &amp; other agencies to sponsor a school/community technology fair.</li> </ul>		
	<ul style="list-style-type: none"> <li>Establish a plan to provide Internet access &amp; training to the community. Develop an Internet directory.</li> </ul>	<ul style="list-style-type: none"> <li>Develop policies &amp; procedures.</li> <li>Pilot community access.</li> </ul>

# IMPLEMENTATION STRATEGIES

# STRAND #6 FAMILIES AND COMMUNITY

## COMMUNITY INFORMATION

*Parents will be able to communicate directly with their student's teachers and administrators using voice mail, e-mail and other electronic means. The District will utilize KDOL-TV, live call-in and other video resources on a regular basis to provide information about the schools and to involve parents and the community in the decision making of the District. The District will regularly hold live, interactive community forums and teleconferences to involve the community in the decision making of the District and to involve Oakland in regional, state and national educational policy debates.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>Evaluate communications needs &amp; develop plan to deploy appropriate &amp; existing communications technologies to target constituencies.</li> </ul>	<ul style="list-style-type: none"> <li>Implement broad multi-access communications plan.</li> </ul>
<ul style="list-style-type: none"> <li>Evaluate school site deployment of voice mail systems.</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate &amp; expand voice mail communications systems to link school &amp; parents.</li> </ul>	<ul style="list-style-type: none"> <li>Expand voice mail communications systems for parents in all schools.</li> </ul>
	<ul style="list-style-type: none"> <li>Pilot multilingual voice communications system.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>
	<ul style="list-style-type: none"> <li>Evaluate &amp; pilot access to Internet by parents &amp; key community groups serving students.</li> <li>Work with other agencies to expand community access points to the Internet.</li> </ul>	<ul style="list-style-type: none"> <li>With other agencies ensure that all parents/community groups serving students have access to Internet.</li> </ul>
	<ul style="list-style-type: none"> <li>Market KDOL &amp; other communications technologies to the community.</li> </ul>	
<ul style="list-style-type: none"> <li>Continue KDOL coverage of Board meetings &amp; live-call-in programs on KDOL-TV to promote dialogue between the community &amp; the Board, Superintendent &amp; staff.</li> </ul>		<ul style="list-style-type: none"> <li>Utilize two way interactive technologies to get community input into District decision making.</li> </ul>
<ul style="list-style-type: none"> <li>Cablecast education related teleconferences &amp; other satellite programs.</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>	<ul style="list-style-type: none"> <li>Expand</li> </ul>
<ul style="list-style-type: none"> <li>Produce &amp; promote regularly scheduled public information services on KDOL-TV.</li> </ul>	<ul style="list-style-type: none"> <li>Establish an interactive District Bulletin Board System.</li> </ul>	
<ul style="list-style-type: none"> <li>Expand coverage of school &amp; community events.</li> </ul>		<ul style="list-style-type: none"> <li>Acquire a mobile video unit</li> </ul>
	<ul style="list-style-type: none"> <li>Evaluate &amp; disseminate findings re: effective pilot technology projects.</li> </ul>	<ul style="list-style-type: none"> <li>Implement successful pilot technology projects District wide.</li> </ul>



*Video & interactive technology will be used to ensure equitable access to instruction, to strengthen classroom instruction and to extend new learning opportunities to students, staff and the community. The District will be capable of delivering two way video communications and to originate live programming from multiple sites throughout Oakland. All staff and students should be familiar with the video, cable television and satellite technology available in the District.*

**KDOL-TV FACILITIES**

*KDOL-TV will manage the educational TV channels and be capable of providing video production and post-production services for the Board, District departments and school sites; training of students and teachers in video communications; and delivering a wide range of interactive video services, including teleconferences and distance learning activities.*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>• Develop a plan to integrate the operations of KDOL-TV into the instructional, staff development &amp; community goals of the District.</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluate the cost-benefit of owning vs. leasing vs partnerships for existing &amp; emerging video technologies.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Upgrade the studio facilities to include improved security, storage, work space &amp; air conditioning.</li> <li>• Add an automated playback system.</li> </ul>	<ul style="list-style-type: none"> <li>• Acquire a mobile production unit to cover school site &amp; District events &amp; to originate live programming from various sites.</li> </ul>
<ul style="list-style-type: none"> <li>• Acquire 2 studio cameras, on-line &amp; off-line editing systems &amp; camcorders to implement the Eisenhower Video Production Program.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade master control.</li> <li>• Replace equipment shared with the City to include sound board, teleprompter, 2 decks, lighting in main studio &amp; peripherals.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to upgrade.</li> </ul>
	<ul style="list-style-type: none"> <li>• Add live call-in capabilities in the main studio.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop plans for a District cable radio channel for student training &amp; community information.</li> </ul>
	<ul style="list-style-type: none"> <li>• Upgrade &amp; automate satellite receive capabilities to increase programming opportunities.</li> </ul>	<ul style="list-style-type: none"> <li>• Develop the capabilities for two way video transmission at KDOL-TV.</li> </ul>

# IMPLEMENTATION STRATEGIES

# STRAND #7 VIDEO COMMUNICATIONS

## KDOL-TV FACILITIES (Continued)

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>• Partner with Peralta Community College for the distribution of instruction using cable channels, satellite, ITFS/microwave systems.</li> </ul>	<ul style="list-style-type: none"> <li>• Work with other agencies to develop community based "video classrooms" for the delivery of instruction to the community.</li> </ul>	<ul style="list-style-type: none"> <li>• Expand video classrooms in the District &amp; community.</li> </ul>
	<ul style="list-style-type: none"> <li>• Explore partnerships to tap into regional networks &amp; video-conferencing resources (ex., Kaiser Permanente, Chabot, Lawrence Labs, UC President's Network).</li> </ul>	<ul style="list-style-type: none"> <li>• Expand partnerships.</li> </ul>
	<ul style="list-style-type: none"> <li>• Explore the impact of emerging video technologies.</li> </ul>	

## SITE FACILITIES

*Each school site will be able to utilize video in the classroom as an instructional tool and to support staff development. Each classroom will have a cable TV hook up and a VCR with a large monitor. Each school will maintain a tape library that includes bilingual materials and at least one video production and post production unit for teacher check out. Each school will have at least one room capable of sending and receiving video for interactive distance learning activities.*

Current Activities	Phase I	Phase II
	<ul style="list-style-type: none"> <li>• Develop standards, costs &amp; a plan for wiring each classroom for video communications.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore the feasibility of acquiring video server capabilities.</li> </ul>
<ul style="list-style-type: none"> <li>• Ensure that each school has at least one room with an activated cable hook up &amp; phone jack, 27" monitor &amp; VCR.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that each school has at least one room with an activated cable hook up &amp; phone jack, 27" monitor &amp; VCR, telephone, computer with network connection or modem &amp; fax machine to support one way video &amp; two way voice &amp; data communications.</li> <li>• Ensure that the library/media center &amp; one other room has cable hook-up &amp; two way voice &amp; text communications.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure that each classroom has an activated cable hook up &amp; two way voice &amp; text communications.</li> </ul>
	<ul style="list-style-type: none"> <li>• Pilot two way video communications <u>located at a minimum in three schools</u> using a variety of interactive technologies.</li> </ul>	<ul style="list-style-type: none"> <li>• Equip at least one classroom in each secondary school for two way interactive video communications.</li> </ul>

# IMPLEMENTATION STRATEGIES

# STRAND #7 VIDEO COMMUNICATIONS

## VIDEO DELIVERY OF INSTRUCTION:

*The District will utilize video, cable television, ITV, and satellite delivered programming to strengthen classroom instruction and deliver instruction to the home and non-traditional learning locations. The District will build its capacity to utilize a variety of interactive technologies. (See also Strands # 3: Professional Development & # 6: Community Education & Community Information)*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Evaluate &amp; expand accordingly the live call-in format to include segments for at-home &amp; classroom instruction &amp; staff development.</li> </ul>	<ul style="list-style-type: none"> <li>Pilot two way video delivery of instruction.</li> <li>Evaluate effectiveness of various one &amp; two way video delivery technologies.</li> </ul>	<ul style="list-style-type: none"> <li>Expand two way video delivery of instruction as indicated.</li> </ul>
	<ul style="list-style-type: none"> <li>Expand vehicles to serve students &amp; families that do not subscribe to cable TV.</li> </ul>	<ul style="list-style-type: none"> <li>Expand student &amp; family access to distribution technologies utilized by the District.</li> </ul>
<ul style="list-style-type: none"> <li>With ECE &amp; Merrit College develop a plan to deliver telecourses to meet CEU requirements for early childhood teachers &amp; aides.</li> </ul>	<ul style="list-style-type: none"> <li>Implement</li> </ul>	
	<ul style="list-style-type: none"> <li>Explore ways to coordinate the delivery of instructional materials with KQED-TV.</li> </ul>	
	<ul style="list-style-type: none"> <li>Explore the use of the video production, delivery &amp; video library resources of other entities (Kaiser Permanente, Library, etc.)</li> </ul>	
	<ul style="list-style-type: none"> <li>Expand distance learning opportunities through partnerships with other colleges &amp; educational institutions.</li> </ul>	
	<ul style="list-style-type: none"> <li>Evaluate relative effectiveness of using video and computer networks to deliver instructional services.</li> </ul>	

## IMPLEMENTATION STRATEGIES

## STRAND #7 VIDEO COMMUNICATIONS

### VIDEO PRODUCTION TRAINING

*All students and teachers will be familiar with the use of video in instruction as well as video production and communications technologies. Working with Vocational Education and Curriculum and Instruction, KDOL-TV will support curriculum based production training programs and expand its student and teacher training activities.*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Plan the curriculum for the Math/Science Based Video Production Program.</li> </ul>	<ul style="list-style-type: none"> <li>Establish Summer Institutes for teacher training in video production.</li> <li>Implement the Math/Science Based Video Production Class for students.</li> </ul>	<ul style="list-style-type: none"> <li>Expand the curriculum based video production classes for students.</li> </ul>
<ul style="list-style-type: none"> <li>Coordinate the video training programs for students at KDOL-TV, the Media Academy &amp; other school site video programs.</li> </ul>		
<ul style="list-style-type: none"> <li>Expand the student intern program at KDOL-TV.</li> </ul>		
	<ul style="list-style-type: none"> <li>Expand internship opportunities for OUSD students with local media &amp; with corporations with production facilities.</li> </ul>	
<ul style="list-style-type: none"> <li>Expand video production &amp; post-production training for teachers at KDOL-TV.</li> </ul>		<ul style="list-style-type: none"> <li>Establish teacher training in interactive video instruction.</li> </ul>

### STAFFING

*The District will develop and maintain a professional production staff to support a fully functioning educational channel and distance education program and to provide training for students and staff. KDOL-TV will recruit interns from local colleges and universities to augment the channel's resource and to provide training opportunities for local media students.*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Hire a technician &amp; interns to implement the Eisenhower Video Production Program.</li> </ul>	<ul style="list-style-type: none"> <li>Expand the intern program for KDOL-TV.</li> </ul>	
	<ul style="list-style-type: none"> <li>Hire a producer</li> <li>Hire a support person to serve as programmer, scheduler, playback operator &amp; tape librarian.</li> </ul>	<ul style="list-style-type: none"> <li>Hire an equipment operator.</li> </ul>

*The District will maintain a robust broad band network capable of supporting voice, video and data transmission. Each classroom will be linked to that network. The network will be a cost effective vehicle to strengthen both administrative and educational programs and to improve communications within the District and between the schools and the community. The District's network will also tie into other regional, state, national and international networks to bring a world of resources to our students and teachers and to strengthen partnerships with other agencies.*

**MANAGEMENT**

*The District will ensure that the network is supported and maintained in a timely fashion. To this end the District will establish standards for network design and equipment for school sites. The District will prepare annual network strategic and security plans and will develop and broadly disseminate policies and procedures to include network use, ethics, and copyright. The District will regularly revise and broadly distribute a Technology Users' Manual.*

Current Activities	Phase I	Phase II
	• Develop a long term strategy & 2 year networking plan.	
• Hire a network manager & data network.	Hire a voice network administrator.	• Expand network management capabilities.
• Form a Network Management Team.		
	• Develop the network design & establish standards.	
	• Communicate the Plan results to District departments & schools.	
• Work with local technology consortia to plan & coordinate networking infrastructure for inter-agency projects.		

## INFRASTRUCTURE

*Each classroom, library, media center, counseling office and administrative office will be linked with each other through a local area network and with every other facility in the District for data, voice and video communications through a wide area network. Through the District each school will be linked to a variety of regional, state and national networks.*

*KDOL-TV will manage the educational channels and have send and receive satellite capabilities. Each classroom will be capable of receiving one way video, and one room in each school and one room in the District's administrative office will be equipped for fully interactive video communications. [See also "Video Communications"]*

Current Activities	Phase I	Phase II
• Develop network design for & implement pilots for libraries, classrooms & school & District administrative offices.	• Evaluate pilots, adjust strategic plan. • Continue implementation.	• Extend network design throughout schools.
	• Pilot network gateways for community access. • Evaluate pilots, adjust plan & continue implementation.	• Extend network gateways throughout community.
	• Extend cable TV or other video service to each classroom.	

## APPLICATIONS

*All school sites will have on-line access to Oakland City Library, Internet & other libraries & research resources. All school sites & administrative offices will have access to voice mail, e-mail & fax communications. The District will host & coordinate teleconference and other electronic forums for school staff and the community.*

Current Activities	Phase I	Phase II
• Develop acceptable use policies & guidelines for network access & Internet.		
	• Develop plans for District wide network applications, including Internet access, e-mail, voice systems, etc..	
• Pilot network applications, including access to Internet & libraries.	• Evaluate pilots & expand. • Expand network applications, including access other research resources; e-mail, voice systems & automated attendance calling.	
	• Move to integrate data, voice & video technologies to one inclusive District-wide network.	

## IMPLEMENTATION STRATEGIES

## STRAND #9 ADMINISTRATIVE TECHNOLOGY

*The district will use technology to make the district's business practices more effective and efficient. The district will reduce costs and increase efficiencies by maintaining and supporting applications on a state-of-the-art broad band network. The district will coordinate technology planning, purchasing and implementation to ensure cost effective acquisition and use at both the district and site level.*

### MANAGEMENT

*The District will develop and improve its capabilities to plan, maintain and support Business Services and other District wide divisions effectively and efficiently using appropriate technologies. [See also "Technology Service Center"]*

Current Activities	Phase I	Phase II
• Assess functional needs of OUSD.	• Functionally reorganize to support existing & expanding functions as required.	
	• Implement reorganization & hire or move additional staff as required.	
	• Develop liaison positions between end users of SASI, OBARS, & HRS systems.	• Implement liaison functions/positions.
	• Prepare a 2 year operational plan for District wide technology.	

## IMPLEMENTATION STRATEGIES

## STRAND #9 ADMINISTRATIVE TECHNOLOGY

### INFRASTRUCTURE

*Each school and District administrative office will have desktop technology, modem or network connection, fax; sufficient lines to support voice and data communications; and ready access to telephone, voice mail, e-mail, fax and duplication technologies.*

Current Activities	Phase I	Phase II
<ul style="list-style-type: none"> <li>Continue to maintain &amp; upgrade administrative &amp; school site networking equipment.</li> </ul>		
	<ul style="list-style-type: none"> <li>Develop plan to replace obsolete 286 workstations with 486 equipment.</li> <li>Replace 286 workstations at all school sites.</li> </ul>	<ul style="list-style-type: none"> <li>Replace 286 workstations at District office.</li> </ul>
	<ul style="list-style-type: none"> <li>Develop a plan to replace obsolete classroom equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to replace.</li> </ul>
<ul style="list-style-type: none"> <li>Provide a plan for desktop equipment for school &amp; district administrators &amp; clerical users who need but don't have equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Acquire &amp; install workstations for Principals, APs, Deans &amp; necessary clerical staff at school sites.</li> </ul>	<ul style="list-style-type: none"> <li>Acquire &amp; install workstations for District office administrators &amp; necessary clerical staff.</li> </ul>
	<ul style="list-style-type: none"> <li>Ensure that all schools &amp; administrative offices have fax machines.</li> </ul>	
	<ul style="list-style-type: none"> <li>Ensure that all schools &amp; administrative offices have adequate telephone service &amp; equipment.</li> <li>Begin implementation of District wide voice technology at school sites.</li> </ul>	<ul style="list-style-type: none"> <li>Implement voice technology at district offices.</li> </ul>
	<ul style="list-style-type: none"> <li>Build inventory for failed equipment replacement, including workstations, printers &amp; scanners for emergency situations.</li> </ul>	
	<ul style="list-style-type: none"> <li>Build supply inventory for emergencies (toner, ribbons, paper, diskettes, etc.).</li> </ul>	
	<ul style="list-style-type: none"> <li>Develop plan for future retirement of obsolete equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Implement future retirement of obsolete equipment replacement plan.</li> </ul>
	<ul style="list-style-type: none"> <li>Provide security, adequate backup &amp; recovery systems for databases at school sites &amp; District offices.</li> </ul>	



# IMPLEMENTATION STRATEGIES

# STRAND #9 ADMINISTRATIVE TECHNOLOGY

## APPLICATIONS

*The District will continue to plan, develop, and maintain cost effective, up to date business applications to improve the overall operations of the schools and District offices.*

Current Activities	Phase I	Phase II
<b>Honeywell Migration</b> <ul style="list-style-type: none"> <li>• Complete conversion of remaining applications to IBM AS/400, including Human Resources, Child Development Centers, Exceptional Children, Suspension Reporting, Research by June 1995.</li> <li>• Complete replacement of 120+ Honeywell terminals with PC desktop equipment.</li> <li>• Connect desktop equipment to LAN &amp; WAN.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade &amp; maintain.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade &amp; maintain.</li> </ul>
<b>SASI:</b> <ul style="list-style-type: none"> <li>• Continue to improve, modify &amp; support the District's Student Information System.</li> </ul>	<ul style="list-style-type: none"> <li>• Install SASI 4 in District offices to improve District office reporting &amp; inquiry capability.</li> <li>• Provide access to SASI to teachers in secondary schools.</li> </ul>	<ul style="list-style-type: none"> <li>• Install SASI 4 in all school sites to improve functionality after 486 workstations are installed.</li> <li>• Provide access to SASI to teachers in elementary schools.</li> </ul>
<ul style="list-style-type: none"> <li>• Continue to improve &amp; support other District systems, including Food Service, Child Development Centers, Attendance Accounting, Geographic Suspension Reporting &amp; Textbook Ordering.</li> </ul>	<ul style="list-style-type: none"> <li>• Following systems in all schools: Library Management, Textbook Management, Attendance Calling, &amp; Voice Bulletin Boards for information &amp; homework.</li> </ul>	<ul style="list-style-type: none"> <li>• Continued improvements.</li> </ul>
<b>OBARS:</b> <ul style="list-style-type: none"> <li>• Continue to improve, modify &amp; support the District's Financial Information System, including on-line inquiries &amp; reporting at schools ties.</li> </ul>	<ul style="list-style-type: none"> <li>• On-line requisitions at school sites.</li> <li>• Fixed assets.</li> <li>• Position Control Linkage with HRS.</li> <li>• Downloading to desktops for end user tools.</li> </ul>	<ul style="list-style-type: none"> <li>• Install OBARS 4 in District office for increased functionality.</li> </ul>
<b>HRS:</b> <ul style="list-style-type: none"> <li>• Continue to improve, modify &amp; support the District's Human Resource System, including current migration from Honeywell.</li> </ul>	<ul style="list-style-type: none"> <li>• Direct Deposits.</li> <li>• On-line Leave Reporting.</li> <li>• Position Control Linkage with OBARS.</li> <li>• Complete Bilingual Info.</li> <li>• Affirmative Action Reporting.</li> <li>• Downloading to Desktops for end user tools.</li> </ul>	<ul style="list-style-type: none"> <li>• Continued improvements.</li> </ul>